

recording medium usually indicates "copy freely".  
Therefore, in case of reproducing the recording medium  
by the same recording and reproducing apparatus, the  
data which is outputted from the digital interface is  
5 not protected. However, if the recording medium is  
reproduced by the digital signal recording and  
reproducing apparatus 100, since the copy freely signal  
protection information can be detected, the data which  
is outputted from the digital interface can be  
10 protected as described by using Table 4.

A case where a digital signal recording  
apparatus according to the second embodiment of the  
invention is connected to the digital signal output  
apparatus will now be described with reference to the  
15 drawing.

Fig. 6 is a constructional diagram in the  
case where the digital signal recording apparatus  
according to the invention is connected to the digital  
signal output apparatus.

20 A digital signal recording apparatus 700  
shown in Fig. 6 is equivalent to an apparatus obtained  
by omitting the reproducing function from the digital  
signal recording and reproducing apparatus 100  
described in the first embodiment. For example, the  
25 setting method of the recording medium copy control  
information described by using Tables 1 and 2 is  
executed upon recording of the digital broadcast  
signal.

A case where a digital signal reproducing apparatus according to the third embodiment of the invention is connected to the digital signal input apparatus will now be described with reference to the  
5 drawing.

Fig. 7 is a constructional diagram in the case where the digital signal reproducing apparatus according to the invention is connected to the digital signal input apparatus.

10 A digital signal reproducing apparatus 800 shown in Fig. 7 is equivalent to an apparatus obtained by omitting the recording function from the digital signal recording and reproducing apparatus 100 described in the first embodiment. For example, the  
15 setting method of the encrypting mode indicator described by using Tables 3 and 4 is executed upon reproduction of the digital broadcast signal.

As mentioned above, according to the invention, even in case of the copy freely digital  
20 broadcast signal, the digital signal recording and reproducing method and apparatus which can inhibit the illegal use of the signal that is recorded onto the recording medium and the signal which is outputted to the digital interface can be provided.